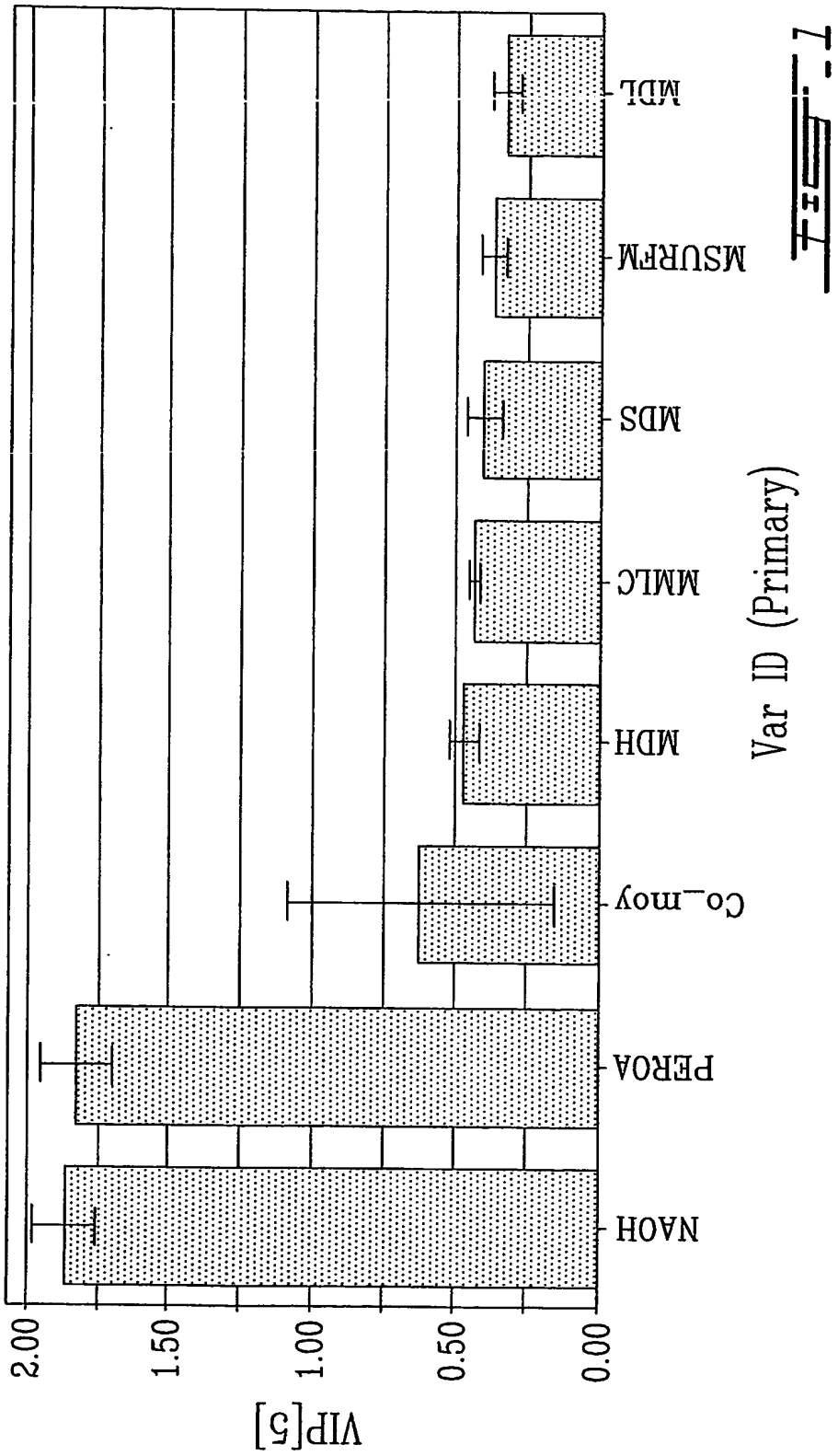
VIP[5]
2.00
1.50
1.00
0.50
0.00
NAOH
PEROA
Co_moy
MDH
MMLC
MDS
MSURFM
MDL
Var ID (Primary)

FIG. 1

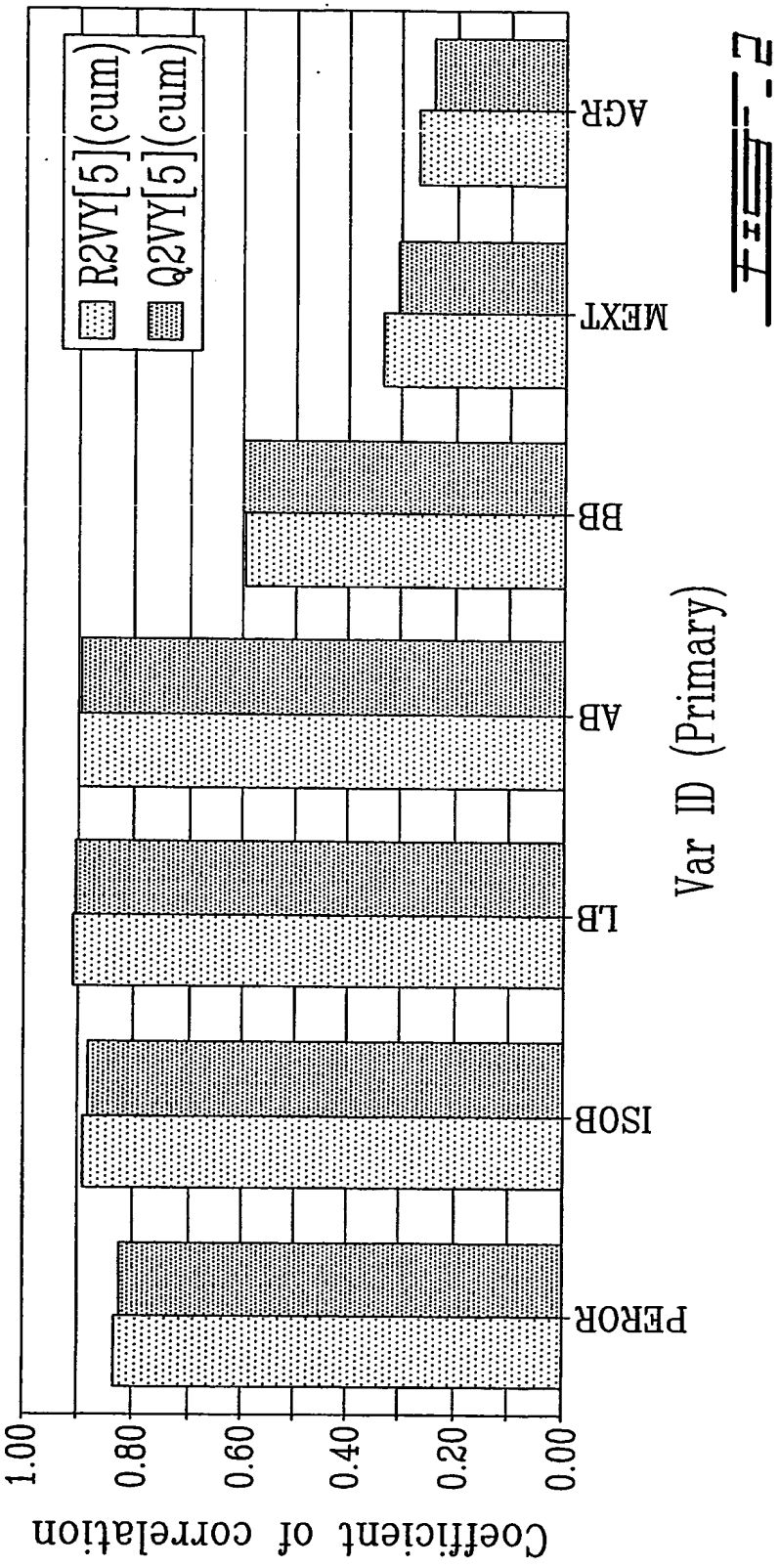
R2VY[5](cum)
Q2VY[5](cum)
1.00
0.80
0.60
0.40
0.20
0.00
Coefficient of correlation
PERROR
ISOB
LB
AB
BB
MEXT
AGR
Var ID (Primary)

Fig-7

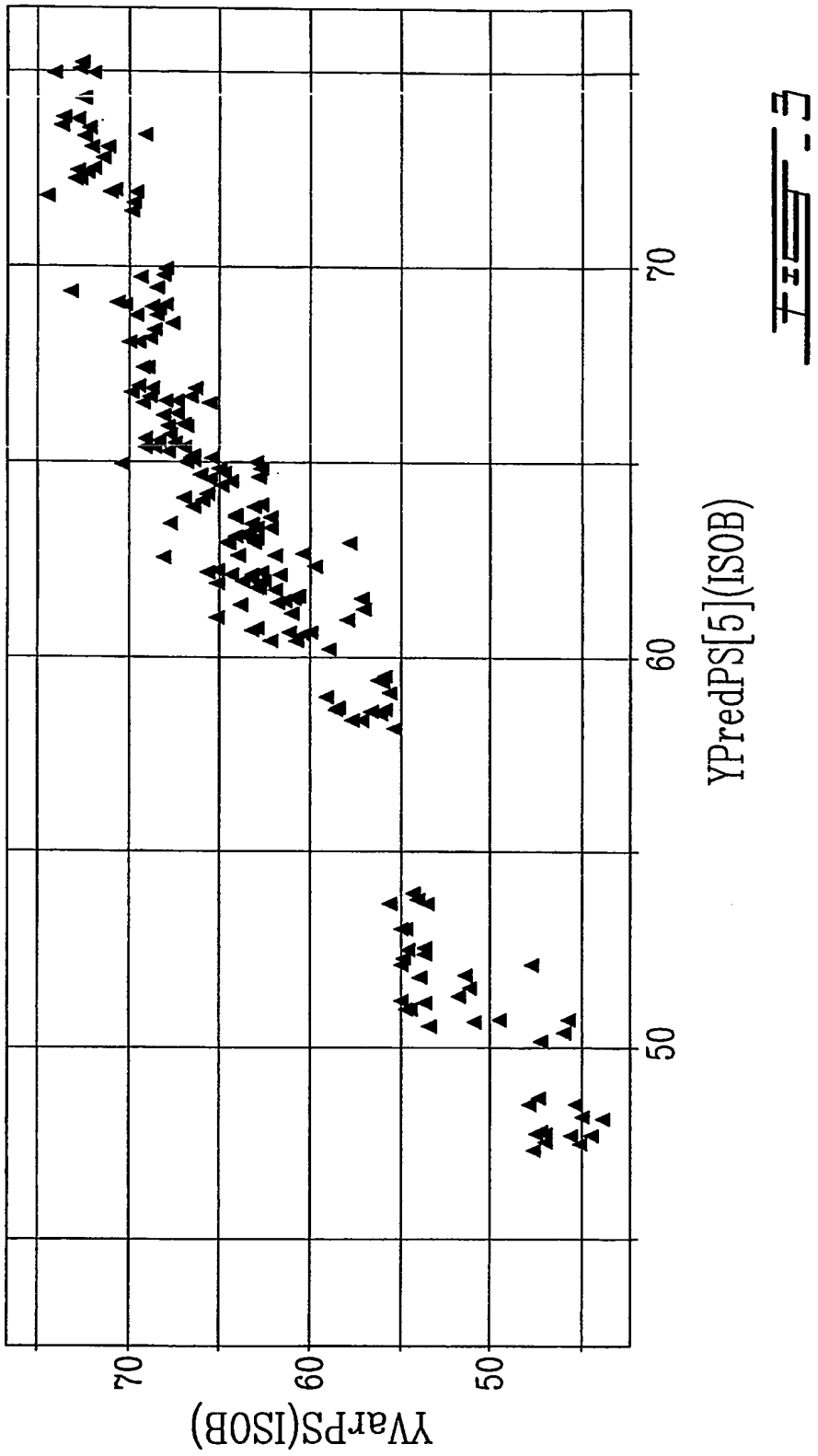

Fig. 4

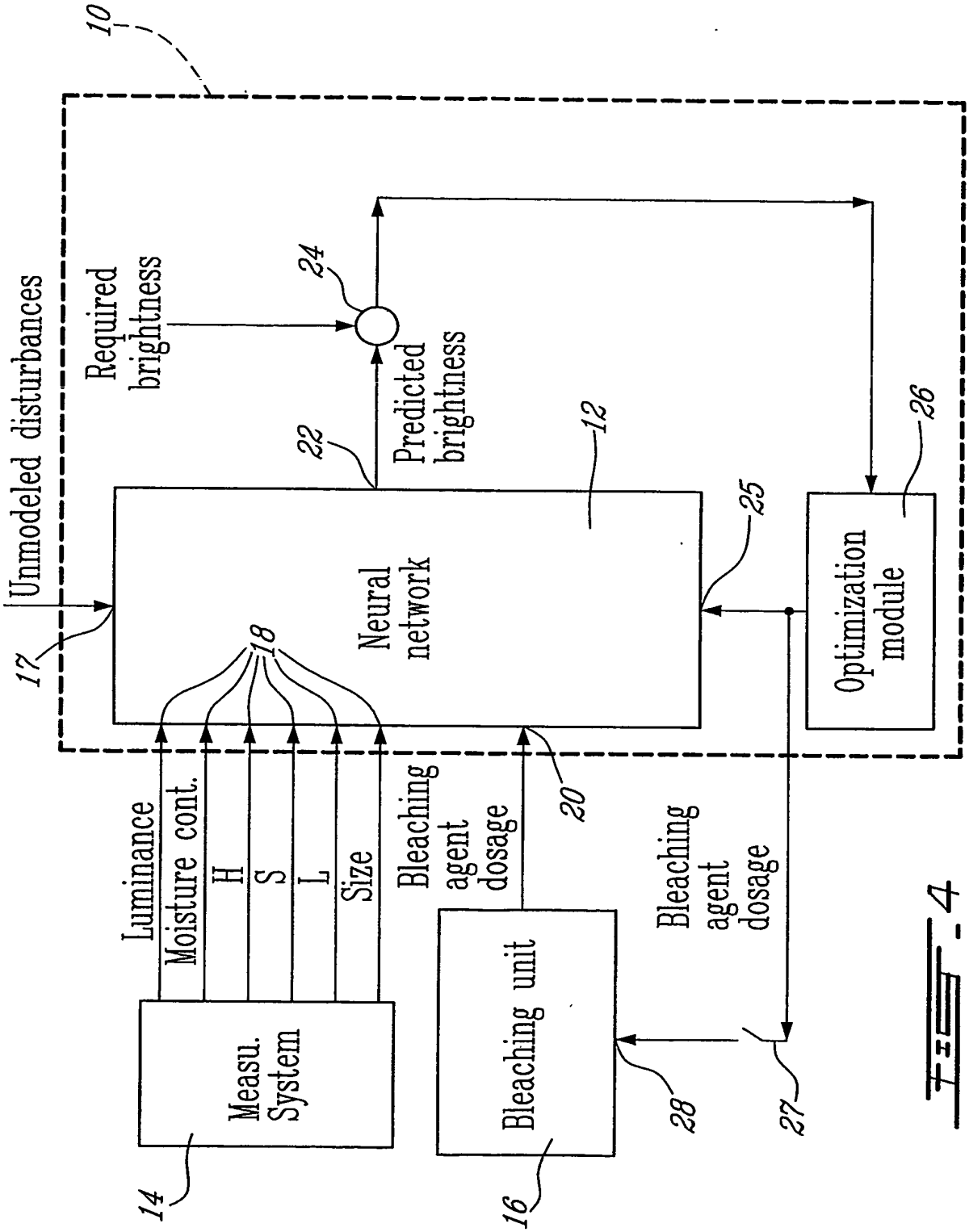
10
Unmodeled disturbances
17
Required brightness
24
22
Predicted brightness
12
Neural network
18
25
26
Optimization module
Luminance
Moisture cont.
H
S
L
Size
Measu. System
14
Bleaching agent dosage
20
Bleaching unit
16
Bleaching agent dosage
28
27

Fig. 4

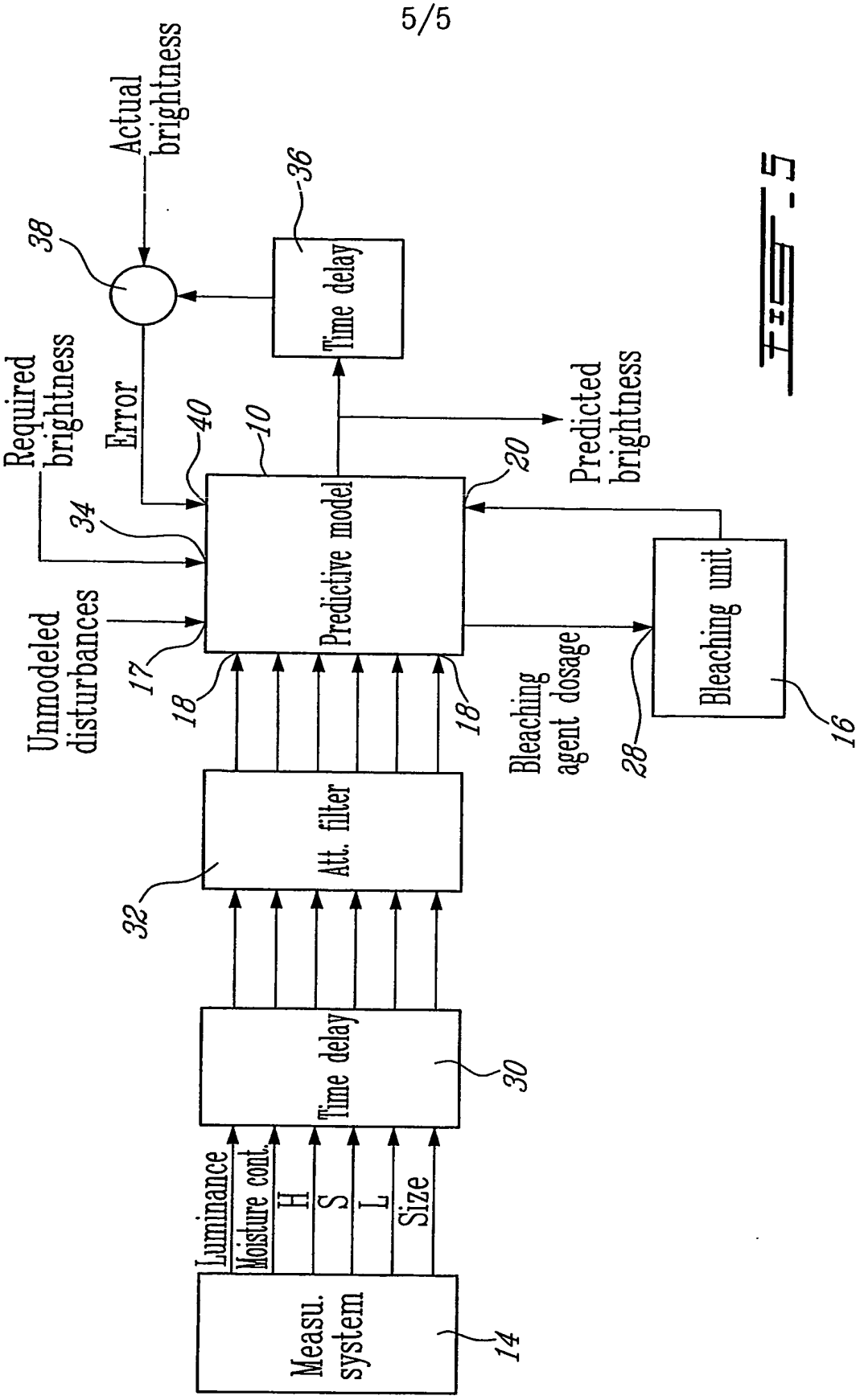
Actual brightness
38
36
Time delay
Required brightness
Error
40
10
20
Predicted brightness
34
Predictive model
Unmodeled disturbances
17
18
18
Bleaching agent dosage
28
Bleaching unit
16
32
Att. filter
30
Time delay
Luminance
Moisture cont.
H
S
L
Size
Measu. system
14

Fig - 5